

Title (en)  
HEART VALVE PROSTHESIS

Title (de)  
HERZKLAPPENPROTHESE

Title (fr)  
PROTHÈSE DE VALVULE CARDIAQUE

Publication  
**EP 2967853 A1 20160120 (EN)**

Application  
**EP 14712136 A 20140305**

Priority  
• US 201313795101 A 20130312  
• US 2014020876 W 20140305

Abstract (en)  
[origin: WO2014164151A1] A heart valve prosthesis configured for deployment within a native heart valve. The heart valve prosthesis includes a tubular stent and a prosthetic valve component disposed within and secured to the stent. In addition, one or more elements are coupled to a distal end of the stent to position, anchor, and/or seal the prosthesis within the native heart valve. Each element transforms from a compressed configuration in which the elements distally extend from the distal end of the stent to a deployed configuration in which the elements proximally extend from the distal end of the stent. Each element includes at least one U-shaped or V-shaped support arm that bends radially outward and then towards an outer surface of the stent such that it translates more than ninety degrees from the compressed configuration. Each element may include an outer support arm and an inner support arm.

IPC 8 full level  
**A61F 2/24** (2006.01)

CPC (source: EP)  
**A61F 2/2418** (2013.01); **A61F 2/2412** (2013.01); **A61F 2250/0069** (2013.01)

Citation (search report)  
See references of WO 2014164151A1

Cited by  
US11253359B2; US11173027B2; US11331186B2; US11273032B2; US11344413B2; US11109969B2; US11234813B2; US11357622B2; US11419720B2; US11273033B2; US11786366B2; US11076956B2; US11185409B2; US11497602B2; US11779742B2; US11389291B2; US11737872B2; US10856984B2; US11166814B2; US11179239B2; US11278437B2; US11793640B2; US10595994B1; US11071627B2; US11602429B2; US11998447B2; US11413139B2; US12053369B2; US11298227B2; US11464631B2; US11491006B2; US10940001B2; US11202706B2; US11311376B2; US11389294B2; US11617650B2; US11931254B2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2014164151 A1 20141009**; CN 105142573 A 20151209; CN 105142573 B 20170315; EP 2967853 A1 20160120; EP 2967853 B1 20191106

DOCDB simple family (application)  
**US 2014020876 W 20140305**; CN 201480014001 A 20140305; EP 14712136 A 20140305